

Amendments to the Claims:

Please amend the claims as follows:

1-65. (cancelled)

66. (new) An inductive coil for an electromotive device, comprising:
a pair of concentric inner and outer sheet metal winding portions separated by a continuous non-conductive fiber strand extending around the circumference of the inner winding portion a plurality of times, each of the winding portions comprising a plurality of axially extending conductive bands with each of the conductive bands of one of the winding portions being coupled to one of the conductive bands of the other winding portion, the winding portions being impregnated with an encapsulation material.

67. (new) The inductive coil of claim 66 further comprising a second continuous non-conductive fiber strand extending around the circumference of the outer winding portion a plurality of times.

68. (new) The inductive coil of claim 66 wherein the encapsulation material comprises a non-layered material that extends from a space between two of the conductive bands in the outer winding portion to a space between two of the conductive bands in the inner winding portion.

69. (new) The inductive coil of claim 66 wherein the continuous non-conductive fiber strand extends around the circumference of the inner winding portion from one of the inner winding portion ends to the other inner winding portion end to form an insulation layer.

70. (new) The induction coil of claim 69 wherein the insulation layer has voids, and wherein the encapsulation material fills these voids.

71. (new) The induction coil of claim 69 further comprising a second non-conductive fiber strand extending around the circumference of the insulation layer a plurality of times from one end of the inner winding portion to the other end of the inner

winding portion to form a second insulation layer between the inner and outer winding portions.

72. (new) The inductive coil of claim 66 wherein each space separating the conductive bands is less than 1.5 time the thickness of every one of the conductive bands.

73. (new) The inductive coil of claim 66 wherein the continuous non-conductive fiber strand comprises glass.

74. (new) The inductive coil of claim 73 where the continuous non-conductive fiber strand comprises a thickness between 0.00030-0.00075 inch.

75. (new) The inductive coil of claim 66 wherein the encapsulation material comprises polyimide.

76. (new) The inductive coil of claim 66 wherein each of the winding portions comprises precision machined and rolled copper.

77. (new) The inductive coil of claim 66 wherein each of the conductive bands comprises a tensile strength greater than 40,000 psi.

78. (new) The inductive coil of claim 66 wherein each of the conductive bands comprises a yield strength greater than 30,000 psi.

79. (new) The inductive coil of claim 66 wherein each of the conductive bands comprises a percent elongation less than 20%.

80. (new) The inductive coil of claim 66 wherein each of the conductive bands comprises a hardness greater than a Brunell number of 70.

81. (new) The inductive coil of claim 66 further comprising an electrically insulated metal flywheel coupled to an interior portion of the induction coil.

82. (new) The inductive coil of claim 81 wherein the electrical insulation comprises an anodized outer surface of the flywheel, the anodized outer surface being in contact with the interior portion of the induction coil.

83. (new) The inductive coil of claim 82 wherein the metal comprises aluminum.